

What is claimed

1. A dispensing valve for dispensing a quantity of pressurized liquid where said quantity of liquid being dispensed can be adjustably selected, said valve comprising,

a generally tubular valve housing having an inner wall and an annular upper surface within said inner wall,

an axially moveable piston within said inner wall wherein said inner wall, said annular upper surface, and said piston define a cavity,

a stem having a longitudinal axis and an axial discharge passage leading to a discharge port,

said stem axially moveable between an extended position wherein said discharge passage is sealed and a depressed position wherein said discharge passage is in communication with said cavity.

means for urging said stem toward said extended position,

said stem rotatable about said longitudinal axis,

a float within said cavity,

means for locking said float for rotation with said stem,

said float axially moveable within said cavity independent of said stem,

means on said valve housing and on said float for selectively adjusting the travel of said piston to thereby selectively adjust the volume of said cavity wherein said travel is adjusted by changing said angular orientation of said stem and said float about said axis.

2. The dispensing valve of claim 1 wherein said valve housing has a refill port extending through said inner wall.

3. The dispensing valve of claim 1 wherein said float is locked for axial movement with said piston and said float is rotatable independent of said piston.

4. The dispensing valve of claim 1 and further comprising means for urging said piston in a direction which increases the volume of said cavity.

5. The dispensing device of claim 4 where said means for urging comprises a coil spring wrapping around an outer circumference of said float and applies pressure to said housing and said piston.

6. The dispensing valve of claim 1 further comprising a diaphragm across an open end of said housing and across a surface of said piston for providing a seal to prevent liquid from leaking around said piston and into said cavity.

7. The dispensing valve of claim 1 wherein said valve housing has a refill port extending through said wall and said stem further comprises means to sealing said refill port where said stem is in said depressed position.

8. A dispensing device comprising a container and a valve in accordance with claim 1.

9. The dispensing valve of claim 1 wherein said means for selectively adjusting the travel of said piston comprises a plurality of vaginations in one of the said housing and said float and a plurality of spaced poles in the other of said housing and said float.

10. The dispensing valve of claim 9 wherein there are two poles nearly diametrically spaced from each other and said vaginations are in pairs of equal depth spaced to be engaged by the two poles.

11. A dispensing valve for dispensing a quantity of pressurized liquid where said quantity of liquid being dispensed can be adjustably selected, said valve comprising,

a generally tubular valve housing having a wall,

an axially moveable piston within said wall wherein said wall and said piston define a cavity,

a stem having a longitudinal axis and an axial discharge passage leading to a discharge port,

said stem axially moveable between an extended position wherein said discharge passage is sealed and a depressed position wherein said discharge passage is in communication with said cavity.

means for urging said stem toward said extended position,

said stem rotatable about said longitudinal axis,

a float within said cavity,

means for locking said float for rotation with said stem,

said float axially moveable within said cavity independent of said stem,

a coil spring wrapped around said float, said coil spring applying pressure to said housing and said piston.

12. A dispensing valve for dispensing a quantity of pressurized liquid where said quantity of liquid being dispensed can be adjustably selected, said valve comprising,

a generally tubular valve housing having a wall,

an axially moveable piston within said wall wherein said wall and said piston define a cavity,

a stem having a longitudinal axis and an axial discharge passage leading to a discharge port,

said stem axially moveable between an extended position wherein said discharge passage is sealed and a depressed position wherein said discharge passage is in communication with said cavity.

means for urging said stem toward said extended position,

said valve housing having a refill port extending through said wall for admitting liquid to enter said cavity and said stem further comprises means to sealing said refill port when said stem is in said depressed position.

13. The dispensing valve of claim 1 and further comprising a diaphragm across an open end of said housing and across a surface of said piston for providing a seal to prevent liquid from leaking around said piston and into said cavity.